

Application No.: 10/724,191
Amendment dated: 12/30/05
Reply to Office Action of 9/14/05

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

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What is claimed is:

1. (currently amended) A sliding door assembly assemblable without fasteners and in which the upper guide assembly is substantially concealed, comprising:
 - a top guide track;
 - a bottom guide track spaced from the top guide track; and
 - at least one sliding door having its upper and lower ends slidably received [on] in a portion of the top guide track and a portion of the bottom guide track, [wherein] each sliding door comprising:
 - a door panel having an outer periphery with a top edge, a bottom edge and pair of opposing side edges;
 - a top rail [secured to] compression fitted onto the door panel adjacent the top edge thereof;
 - a bottom rail [secured to] compression fitted onto the door panel adjacent the bottom edge thereof;
 - a pair of stile sections [secured to] compression fitted onto the door panel adjacent the pair of opposing side edges[;], said door panel integrating the stiles and rails into a frame extending about said panel;
 - at least one bottom roller mechanism [fitted into] seated in [a lower portion of] the bottom rail, [wherein each] said at least one bottom roller mechanism [is] being slidably received [within] on the bottom guide track; and

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at least one top roller mechanism [fitted into] seated in [an upper portion of] the top rail, [wherein each] said at least one top roller mechanism [is] being slidably received within the top guide track, said top roller mechanism being concealed by said top guide track.

Claim 2 (canceled).

3. (currently amended) The sliding door assembly according to claim 1, wherein [each of the] said at least one bottom roller mechanism is compression fitted into the [lower portion of] the bottom rail.

4. (currently amended) The sliding door assembly according to claim 3, wherein [each] said at least one bottom roller mechanism is substantially concealed within the lower portion of the bottom rail.

5. (currently amended) The sliding door assembly according to claim 1, wherein [each of the] said at least one bottom roller mechanism [comprising] comprises:

a mounting bracket for securing the bottom roller mechanism to the bottom rail; at least one roller assembly; and

an adjustment mechanism operatively connected to the mounting bracket, whereby adjustment of the adjustment mechanism adjusts the vertical position[ing] of the door [panel] assembly with respect to the bottom guide track.

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6. (currently amended) The sliding door assembly according to claim 5, wherein each adjustment mechanism comprises:
 - a lever arm pivotally connected to the mounting bracket; and
 - an adjustment device for pivoting the lever arm with respect to the mounting bracket, and wherein the at least one roller assembly is secured to one end of the lever arm.
7. (original) The sliding door assembly according to claim 6, wherein adjustment of the adjustment device adjusts the positioning of the at least one roller assembly with respect to the door panel.
8. (currently amended) The sliding door assembly according to claim 7, wherein the adjustment device includes a screw assembly, wherein a portion of the screw assembly is [secured to] disposed within the lever arm, and wherein another portion of the screw assembly is adjustabl[e]y secured to the mounting bracket.
9. (original) The sliding door assembly according to claim 5, wherein the mounting bracket is compression fitted into the lower portion of the bottom rail.
10. (original) The sliding door assembly according to claim 1, wherein the top rail is compression fitted onto the door panel along the top edge.
11. (currently amended) The sliding door assembly according to claim 1, wherein [each of] the at least one top roller mechanism is compression fitted into the upper portion of the top rail.

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12. (currently amended) The sliding door assembly according to claim 1, wherein [each of the at least one] said top roller mechanism [comprising] comprises:
a mounting bracket for securing the top roller mechanism to the top rail; at least one roller assembly; and a support structure for rotatably supporting [the] said at least one roller assembly thereon, wherein the support structure is connected to the mounting bracket.

13. (original) The sliding door assembly according to claim 12, wherein the mounting bracket is compression fitted into the upper portion of the top rail.

14. (currently amended) The sliding door assembly according to claim 12, wherein the top guide track includes at least one downwardly opening channel, and wherein at least the roller assembly of the top roller mechanism is received within [one of the] said at least one downwardly opening channel.

15. (currently amended) The sliding door assembly according to claim 14, wherein [the] said at least one roller assembly and at least a portion of the top rail and the door panel are received within the downwardly opening channel.

16. (currently amended) The sliding door assembly according to claim 12, wherein the top guide track includes at least one upwardly opening channel, and wherein the roller assembly of the top roller mechanism is received within the upwardly opening channel.

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17. (currently amended) The sliding door assembly according to claim 16, wherein there is a pair of sliding doors and said [each] sliding doors [is] are laterally spaced [from] in [the] said at least one upwardly opening channel.

18. (currently amended) The sliding door assembly according to claim 17, wherein [the at least one sliding door includes a pair of sliding doors and the] said top guide track includes a pair of upwardly opening channels, wherein [the] said at least one roller assembly for one of the sliding doors [being] is located in one of the upwardly opening channels and [the] wherein said at least one roller assembly for another of the sliding doors [being] is located in another of the upwardly opening channels.

19. (currently amended) The sliding door assembly according to claim 18, wherein one of the sliding doors is an inner sliding door positioned adjacent the top guide track and the other of the sliding doors is an outer sliding door positioned adjacent the inner sliding door, and wherein the support structure for [the] said at least one mounting bracket is secured to the outer door and extends over the inner sliding door and the top roller mechanism secured to the inner sliding door.

20. (currently amended) The sliding door assembly according to claim 1, wherein each of the stile sections is compression fitted onto the door panel along a respective side edge of the opposing edges, and wherein each stile section extends from the top rail to the bottom rail.

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21. (New) A sliding door assembly assemblable without fasteners and in which the upper guide assembly is substantially concealed comprising:

- a top guide track;
- a bottom guide track spaced from the top guide track; and
- at least one sliding door having its upper and lower ends slidably received in a portion of the top guide track and a portion of the bottom guide track, each sliding door comprising:
 - a door panel having an outer periphery with a top edge, a bottom edge and pair of opposing side edges;
 - a top rail compression fitted onto the door panel adjacent the top edge thereof;
 - a bottom rail compression fitted onto the door panel adjacent the bottom edge thereof;
 - a pair of stile sections compression fitted onto the door panel adjacent the pair of opposing side edges;
 - at least one bottom roller mechanism seated in the bottom rail, said at least one bottom roller mechanism being slidably received on the bottom guide track; said at least one bottom roller mechanism comprising a mounting bracket for securing the bottom roller mechanism to the bottom rail;
 - at least one roller assembly; and
 - an adjustment mechanism operatively connected to the mounting bracket, whereby

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adjustment of the adjustment mechanism adjusts the vertical position of the door assembly with respect to the bottom guide track;

a lever arm pivotally connected to the mounting bracket; and
an adjustment device for pivoting the lever arm with respect to the mounting bracket, and wherein said at least one roller assembly is secured to one end of the lever arm, said adjustment device adjusting the positioning of said at least one roller assembly with respect to the door panel, said adjustment device including a screw assembly, a portion of the screw assembly being disposed within the lever arm, another portion of said screw assembly being adjustably secured to the mounting bracket and

at least one top roller mechanism seated in the top rail, said at least one top roller mechanism being slidably received within the top guide track, said top roller mechanism being concealed by said top guide track.

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(New) A sliding door assembly assemblable without fasteners and in which the upper guide assembly is substantially concealed comprising:

a top guide track;

a bottom guide track spaced from the top guide track; and

at least one sliding door having its upper and lower ends slidably received in a portion of the top guide track and a portion of the bottom guide track, each sliding door comprising:

a door panel having an outer periphery with a top edge, a bottom edge and pair of opposing side edges;

a top rail compression fitted onto the door panel adjacent the top edge thereof;

a bottom rail compression fitted onto the door panel adjacent the bottom edge thereof;

a pair of stile sections compression fitted onto the door panel adjacent the pair of opposing side edges;

at least one bottom roller mechanism seated in the bottom rail, said at least one bottom roller mechanism being slidably received on the bottom guide track; and

at least one top roller mechanism seated in the top rail, said at least one top roller mechanism being slidably received within the top guide track, said top roller mechanism being concealed by said top guide track, said top roller mechanism comprising:

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a mounting bracket for securing the top roller mechanism to the top rail;
at least one roller assembly; and
a support structure for rotatably supporting said at least one roller assembly
thereon, said support structure being connected to the mounting bracket; said top guide
track including at least one upwardly opening channel, said roller assembly of the top
roller mechanism being received within the upwardly opening channel.